

U.S. Serial No.: 10/776,809

Attorney Docket No.: Opto 8

Specification

Amend the first paragraph on page one (page 1, lines 3 - 9) of the specification as follows:

This application is related to U.S. Serial No. 10/776,808, which is entitled "High Efficiency Single And Multiple Wavelength Stabilized Laser Systems" (Optovia 6), and U.S. Serial No. 10/776,810, which is entitled "Single And Multiple Wavelength Reflection And Transmission Filter Arrangements" (Optovia 7), having a common assignee and some common inventors with the present invention, and being filed concurrently with the present invention.

Amend the last paragraph starting on page 10, lines 10-27, and continuing onto page 11, lines 1 and 2, of the specification as follows:

Referring now to FIG. 3, there is shown a schematic of a stabilized multiple laser system 20 illustrating a basic concept of the present invention. The stabilized multiple laser system 20 comprises a plurality of n lasers sources 21a-21n that generate a plurality of n output signals w₁-w_n, respectively, a feedback stabilization arrangement 22, a delay line 24, and a broadband reflector 26. The feedback stabilization arrangement

22 can comprise many different arrangements which provide a feedback signal back to each of the plurality of n laser sources 21a-21n that overcomes a red or blue (hereinafter a first direction) shift of each laser 21a-21n in response to a feedback signal as was described hereinbefore for the prior art system 10 of FIG. 1. For example, various multi-wavelength feedback stabilization arrangements that can be used for the multi-wavelength stabilization arrangement 22 are shown and described in the hereinbefore indicated copending application U.S. Serial No. 10/776,808, entitled "High Efficiency Single And Multiple Wavelength Stabilized Laser Systems" (Optovia 6), and is incorporated by reference herein rather than describing each of those arrangement herein again.

Amend the second full paragraph on page 11, lines 14-27, and continuing onto page 12, lines 1-7, as follows:

In operation, the output signal from each of the plurality of n laser sources 21a-21n is received at a corresponding one of the plurality of n input/output ports 22a of the feedback stabilization arrangement 22 via a path A. In the feedback stabilization arrangement 22, the plurality of n received signals via paths A are each filtered with a predetermined first spectral response and multiplexed to generate an output signal at the second input/output ports 22b thereof for transmission via the path C to the first input/output port 24a of the delay line 24. Concurrently, the feedback stabilization arrangement 22 also

generates a feedback signal that is filtered and demultiplexed, and a corresponding one of the demultiplexed signals is returned to each of the laser sources 21a-21n that is shifted in a second direction to counteract a red or blue (first direction) shift in response to a feedback signal to a laser. Such red or blue shift counteracting feedback signal is generated in the feedback stabilization arrangement 22 in a manner shown and described for the various multi-wavelength feedback stabilization arrangements in the hereinbefore indicated copending application U.S. Serial No. 10,776,808, entitled "High Efficiency Single And Multiple Wavelength Stabilized Laser Systems" (Optovia 6).